positions for any working means model which allows operation thereof in a plurality of different methods and said working-simulation execution section executes a working simulation according to the plurality of operation methods while evaluating a workability for each of the operation methods of the working means model, and said workability evaluation section evaluates the workability of the working means model for the each of the working methods based on a result of execution of the working simulation according to the working method and also based on the information of the attribute, where the workability indicates whether or an extent to which the working means model is able to work the one or more standard part models.

24.   (TWICE AMENDED) An apparatus for simulating work upon a model, comprising:

a design model comprised of a standard part model;

a working means model, separate from the design model, of a type generally capable of mating with the standard part model, and having working requirements information for working the standard part model in a virtual three-dimensional space when mated with the standard part model;

arrangement information describing an arrangement of the working means model when it is arranged to be mated with the standard part model; and

a processing unit automatically determining whether or an extent to which the arranged working model can work the component model according to the arrangement information, the working requirements of the working means model, and according to the design model.

25.   (TWICE AMENDED) The apparatus according to claim 24, wherein the processing unit also automatically determines whether the working means model can be routed through the virtual three-dimensional space to its mated arrangement without interference between the moving working means model and the design model.

26.   (TWICE AMENDED) The apparatus according to claim 25, wherein orientation information is associated with the standard part model, and the determining whether the working means model can be routed in the virtual three-dimensional space to its mated arrangement further comprises automatically determining whether the working model can approach the mating with the standard part model according to the orientation information and without interference from the main model.

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27.   (TWICE AMENDED) A method for simulating, comprising:

arranging a working means model into a working arrangement, according to an arrangement of a standard part model that is part of a design model; and

automatically determining whether or an extent to which the working means model, as arranged in its working arrangement, can work, in virtual three-dimensional space, the standard part model, by using the design model and working requirements of the working means model to automatically simulate the working means model working the standard part model.

28.   (TWICE AMENDED) The method according to claim 27, further comprising determining whether a route of movement of the working means model to the arrangement with the standard part model can be performed without interference between the main model and the working means model.

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